



Indoor Ambiance Monitor

CO₂, Temperature, Humidity, Barometric Pressure,
Light Intensity, Presence, Volatile Organic Compounds



Sensors

CO₂

Range: 0 ... 10 000 ppm

Accuracy: ± 50 ppm, ± 3 % of reading

Air temperature

Range: -40 ... +125°C

Accuracy: ± 0.2 °C @0-65 °C

Air humidity

Range: 0 ... 100% RH

Accuracy: ± 2 % RH @10-90% RH

Barometric pressure

Range: 300 ... 1100 hPa

Accuracy: $\sim \pm 1$ hPa (absolute), ± 0.12 hPa (typical)
equivalent to ± 1 m

Ambient Light Intensity

Brightness sensor

Presence

PIR motion sensor measuring activity level

Total Volatile Organic Compounds

Range: 0 ... 60'000 ppb

Accuracy: typically 15% of measured value

LoRaWAN specifics

Device class A

Over the air activation (OTAA)

Adaptive data rate (ADR)

Frequency band:

EU868 MHz (EU Version)

US915MHz (US Version): contact us

Input Sensitivity: -148 dBm (EU Version)

Supply

Internal battery 2 x AA-type Alkaline
Integrated sensor supply

Operating conditions

-30°C to 60°C (CO₂: 0 ... 50 °C)
100% RH

Weight

88g w/o batteries
135 with batteries

Dimensions

120 x 80 x 25 mm

Enclosure

Material: Self-extinguishing ABS
Colour: White

Dimensional drawings

